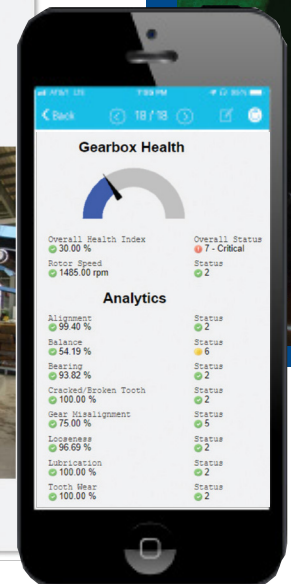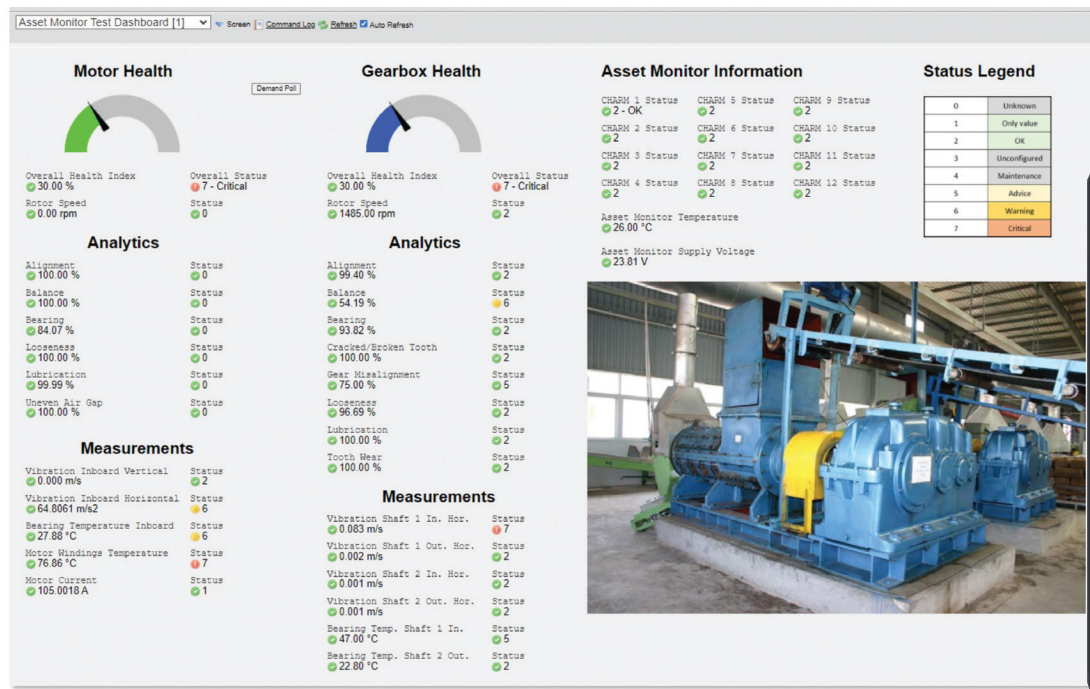# Increase Uptime and Safety with Cloud-Based Data & Analytics

DeltaV™ SaaS SCADA for Machine Health Monitoring

Effortlessly integrate data from any source to rapidly enable better business decisions while increasing safety, production, profits and sustainability.

EMERSON™

Master your machine and asset health through proactive and in-depth diagnostics

DeltaV SaaS SCADA with Machine Health Monitoring delivers secure connected asset data for accurate alarming to track, diagnose & protect machine health with expertly recommended preventative maintenance.

70% of companies lack awareness of when equipment is due for maintenance or upgrade*

Average cost of downtime across all businesses is $260,000 per hour.**

*https://garvey.com/7-downtime-statistics-find-terrifying/
**https://www.aberdeen.com/blogposts/stat-of-the-week-the-rising-cost-of-downtime/

Gaining visualized data that interprets potential failures not only increases your organizations safety and uptime, it delivers stronger, long-term results

Easily understandable analytics that will visualize your machine health and maintenance needs

Knowing your machine health is just the start of what we provide your organization. Understanding the analyzed data that will interpret your machine health and even predict potential hazards that ultimately increase your uptime, safety and return.

Reduce people and environment safety risks while preventing production losses and downtime

DeltaV SaaS SCADA with Machine Health Management fully supports reducing safety risk to people, assets and the environment in which we all work, live and play. Prevent machine downtime and losses by knowing what you need to know, right now.

Rapidly realize your operations potential through advanced cloud-native analytics, machine learning, AI and mobility.

Getting end-to-end operational data in real time from every sensor is the key to optimizing your operations. Provide your staff with secure, real-time, easy-to-read operations data – anytime, anywhere that drives stronger business decisions at every level.

Our SaaS cloud-native IIoT platform enables operators around the world to compile data from any digital monitoring hardware via gateways that support a variety of protocols. We provide end users with a web interface, as well as the ability to push data to third party platforms, enabling remote monitoring, control and optimization via authorized, cloud-based data access.

Unlock the most value from your operational data

DeltaV SaaS SCADA for better performing assets, streamlined compliance, and optimized resources. Every aspect of our IIoT platform and software suite is developed for ease of acquisition and management of your operational data, focused on delivering analytics and global mobility to meet compliance while increasing your safety, profits and sustainability.

Reduce the amount of time your staff spends traveling to and from remotely located assets with real-time visibility to levels, pressures, motions, temperatures and more.

Effortless, always up to date software enables you and your people to better focus on more impactful business decisions
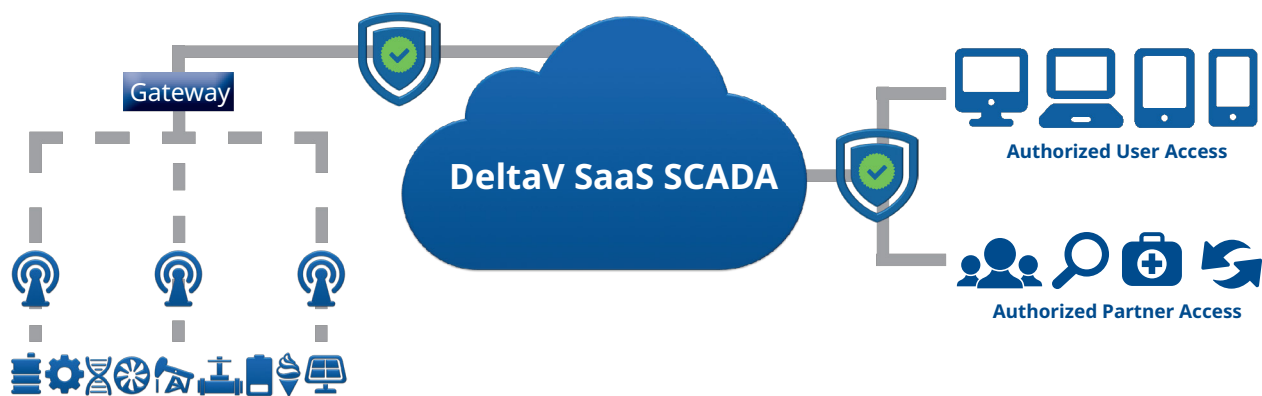
Our platform is built for anything under the industrial sun. You may even decide to layer our SaaS SCADA onto your own current system to help make your team more mobile, as a secondary system for a transitional time-frame until your people are comfortable using a new system, or even as a secondary back-up to add another layer of security in the event your in-house system fails.

Hardware agnostic so you can utilize hardware you may already own, and still get decision making data

You decide on what sensors and hardware equipment are best suited for your situation. All you do is tell us what you want for data and analytics to be reported and we'll quickly do the rest. This delivers your people with the actionable insights they need to make better operating decisions quickly and efficiently.

Machine Health Monitoring reduces downtime while increasing productivity

DeltaV SaaS SCADA with Machine Health Management brings together Emerson AMS Asset Monitor capabilities with complete diagnostics and advanced reporting managed for you via our highly trusted Emerson Impact and world area partners.

AMS Asset Monitor makes online monitoring cost-effective for more industrial assets with an edge analytics device designed to deliver prediction and basic protection alongside process monitoring capabilities to the balance of assets in the plant. CHARMs-based technology collects both vibration and process variables and applies embedded auto analytics to alert personnel to the most common faults associated with a wide range of assets.

Some detections currently available include:
- Balance – imbalance
- Alignment – misalignment
- Looseness – mechanical looseness
- Blade Pass – bladed component issues
- Flow Turbulence – turbulence in pumps & rotating stall in fans
- Gear Faults – gear misalignment & cracked or broken tooth
- Tooth wear – worn tooth issue
- Bearing – mechanical bearing defects
- Lubrication – anti-friction bearing lubrication issues
- Oil whirl – bearing instability caused by oil whirls
- Air gap – inductive motor air gap problems
- Duty – instrumentation problems; Heat Exchanger
- Fouling – heat transfer coefficient; Heat Exchanger

Actionable data insights makes the difference

Increase Machine Lifetime

Analytics deliver actionable insights to keep your machines operating smoothly for a longer lifetime, increased safety and stronger return.

- Analyzed data trending
- Advanced reporting & summaries
- Continuous polling & optimization
- Manage permissions & work-flows

Prevent Downtime & Losses

Prevention is the best medicine for any health condition. Now you can gain long-term machine health to guide your optimization for best outcomes.

- Diagnostic reporting
- Custom reports, sorting & displays
- Eliminate field paperwork
- Push data to other systems or reports

Minimize Safety Risk

Reduce risk associated with travel to sites, increase people, asset and environmental awareness to new, heights through technology.

- Alarm Management & call-outs
- Prioritize field work needed
- Easily view, edit & share data
- Analyze & export based on role

Know it All, Now

Enable your personnel with accurate alarms, and awareness of potential hazards before they even happen.

- Increase internal communication
- Deliver actionable insights to staff
- Authorized set-points for alarms
- Easy to understand dashboards
- Relevant analytics to correct users

Anytime, Anywhere Access

Enter, monitor and manage operational data anytime, anywhere with our mobile app. Available in Google Play as well as the App Store.

- Input data & issue commands
- Prioritize work while in the field
- Eliminate field paperwork
- Push data to other systems or reports
- Immediately update systems

Protect Investments

Streamline fixed asset work, preventative maintenance & HSE. Equipment control with records for compliance audits.

- Track moves & location
- Pro-actively schedule work orders
- Set reminder & escalations
- Manage inventory & licenses
- Track incidents, specs & manuals

Digitally transform your operations with increased visibility with a secure, scalable cloud-native IIoT platform.

SECURITY
- ✓ Monthly automatic security updates
- ✓ Secure web access anywhere, anytime
- ✓ Two-factor authentication
- ✓ Backups & disaster recovery
- ✓ ~3500 Microsoft™ security experts

SCALABILITY
- ✓ Mobile app anywhere, anytime access
- ✓ Customer roadmap involvement
- ✓ Customize your user groups
- ✓ Budget friendly & low CapEx
- ✓ 26 effortless software updates in 2023

SERVICE
- ✓ Live 24/7/365 support included
- ✓ eLearning courses & workshops
- ✓ Project Management available
- ✓ Data Exchange service available
- ✓ Alarm Management available

DeltaV™ SaaS SCADA is an IIoT cloud-native platform designed to enable asset-intensive industries to quickly and securely connect, acquire analytics and provide control of remotely located devices anywhere, anytime by anyone of your authorized users. We help our customers become more productive, profitable and sustainable to improve life around the globe.

Go Boldly™

DELTAV™

EMERSON™